

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (Currently amended) A method for generating or increasing resistance of a plant to at least one pathogen comprising:
 - a) transforming a collection of plant cells with a nucleic acid encoding a transgenic protein that possesses a sucrose isomerase activity and has the sequence set forth in SEQ ID NO: 14; and
 - b) selecting a plant cell from the transformed collection that generates or show increases resistance, as compared to the untransformed plant cell, to the at least one pathogen.
- 2-3. (Cancelled).
4. (Currently amended) The method of claim 1, wherein the sucrose isomerase ~~activity~~ protein is expressed under the control of a pathogen-inducible or tissue-specific promoter which is functional in plants.
5. (Cancelled).
6. (Currently amended) The method of claim 5 1, wherein the ~~fungi~~ pathogen is selected from the group consisting of Plasmodiophomycota, Oomycota, Ascomycota, Chytridiomycetes, Zygomycetes, Basidiomycota and Deuteromycetes.
7. (Currently amended) The method of claim 1, wherein the plant is selected from the group consisting of potato, beet, sugar beet, tomato, banana, carrot, sugar cane, strawberry, pineapple, paw paw, soybean, oats, barley, wheat, rye, triticale, sorghum, ~~and~~ millet, and maize.

8. (Currently amended) A transgenic expression cassette comprising a nucleic acid sequence that encodes a sucrose isomerase having the sequence set forth in SEQ ID NO:14, which is in functional linkage with a pathogen-inducible promoter that is functional in plants.

9. (Cancelled).

10. (Currently amended) The transgenic expression cassette of claim 8, ~~wherein the~~ further comprising a pathogen-inducible promoter contains a sequence selected from the group consisting of the sequences of SEQ ID NO:23, 24, 32, 33 and 34.

11. (Original) A transgenic expression vector comprising the transgenic expression cassette of claim 8.

12. (Currently amended) A transgenic ~~organism~~ plant comprising the transgenic expression cassette of claim 8.

13. (Currently amended) The transgenic ~~organism~~ plant of claim 12, ~~which is a plant wherein the species is~~ selected from the group consisting of potato, beet, sugar beet, tomato, banana, carrot, sugar cane, strawberry, pineapple, paw paw, soybean, oats, barley, wheat, rye, triticale, sorghum and millet, and maize.

14. (Currently amended) A transgenic crop product, propagation material, cells, organs, parts, calli, cell cultures, seeds, tubers, sets or transgenic progeny of the transgenic ~~organism~~ plant of claim 12.

15-20 (cancelled).